

# Crawler Crane Series PCC4000S-II

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Over-hoist prevention device	Hook and boom over-hoist prevention devices are used for preventing the crane from being damaged or collapsed back ward.
Hook over-hoist prevention device	When the hook lifts up to certain height and touches the plumb, the limit switch shall be disengaged by the reposition spring, and then the switch cuts off the control circuit. The control relay makes the buzzer alarm and the indicator lights up. At the same time, the rise of hook will stop automatically.
Boom over-hoist prevention device	The Boom upper limit angle is controlled by the angle sensor. If it compass the upper limit angle, the upper boom limit control circuit will be cut off, and the controller will lock the main boom, and the rise of boom will stop automatically.
Moment limiter	The fully automatic moment limiter monitors the crane operation in real time. All the working condition parameters of the crane during operation are displayed on the torque display screen, allowing the crane operator to understand the lifting working conditions at a glance.
Load indicator	Installed three color load rate indicator light in order to inform the on-site personnel to understand mechanical loader situation. A walkie-talkie device is equipped for the driver to communicate with the signal personnel.
Anemometer	Installed anemometer sensor on the top of boom to test wind speed, the real-time wind speed is displayed on moment limiter screen.
Brake	The brake is on the main and aux. drums, main and auxiliary luffing drums and slewing brake.
Locking device	This crane is equipped with slewing locking device.
Load sensor	Load sensors are installed on the bracing rods to test the load of boom, luffing jib (tower jib). Moment load indicator in the cabin will show the actual load.
Angle sensor	Angle sensors are installed on the bottom of boom and luffing jib (tower jib) to test the angle of boom and luffing jib (tower jib).
Level instrument	Level gauge is used for testing the angle between the machine and the ground to ensure the conditions of the ground meet the requirements.
Angle scale	A mechanical angle scale is fitted on the bottom of boom, showing the real-time boom angle.
Rope retainer	The device is installed on the main and auxiliary hoisting winch to ensure at least three and a half rotation wire riper be kept on the winch to guarantee safe operation of the crane.
Slewing and traveling alarm	The buzzer will alarm when the crane is slewing or traveling.

#### Superstructure

#### Power unit

Model: VOLVO TWD1240VE diesel

engine

Type: water-cooling, direct Injection, with

turbocharger.

Rated power: 310kW / 2100rpm

Max. torque: 1719 N.m

#### Hydraulic system

It adopts electric proportional control with the combination of pump control and valve control, computer programming, CAN-BUS communication, composited by seven pumps, in which there are three A11VO electrically controlled variable pumps on the main loop, in-valve confluence. The system is advanced, energy-saving, and highly efficient. Operation is stable and has excellent micro-mobility. The hydraulic oil tank capacity can hold up to 900L.

#### Control system

Global-wide advanced pump control system and electrical control system are adopted.

#### Machinery working monitor

Operation of mechanisms is monitored at any time. It is equipped with the functions of automatic checking and alarming.

## Main and auxiliary hoist winch mechanism

Main and auxiliary hoist winch mechanism is driven by variable displacement piston motor through planetary reducer, wet-disc normally engaged brake.

#### Main hoist winch

Diameter of drum: 650mm Diameter of wire rope: 26mm Length of wire rope: 640 × 2m Max. rope speed: 135m / min

#### Main luffing component

It is driven by two fixed displacement piston motors through planetary reducer, wet-disc normally engaged brake.

Diameter of drum: 620mm

Diameter of wire rope: 26mm

Length of wire rope: 238m / piece

#### Boom luffing component

Diameter of drum: 650mm Diameter of wire rope: 26mm Length of wire rope: 465m

#### Rope winch

Diameter of wire rope: 10mm Length of wire rope: 320m

#### Slewing system

Gear is driven by motor through planetary reducer, 360° rotation, speed: 0 - 1.1km / h, locked by slewing locking pin.

#### Cabin

Width of cabin is 1100mm, can pitch up by 20°, front window uses large arc surface, with air conditioner, big screen electronic monitor, torque limiter, and adjustable seat etc.

#### Centralized Lubrication system

Centralized lubrication system which periodically provides automatic / manual lubrication for driving wheels, front idlers, bottom rollers and carrier rollers of undercarriage.

#### Counterweight

For various working conditions of boom, counterweight of superstructure is 150 tons, including two pieces of 5 ton pallets, 14 pieces of counterweight with 10 tons each.

#### **Undercarriage Structure**

#### Separating device

It is equipped with self-disassembling and installation function. Loading and unloading of main unit and towed vehicle, and self-disassembling and installation of track, counterweight of turntable and boom support can be realized by using own configuration. Lower frame uses box-type structure welded by high-strength steel sheets, and track frame uses hydraulic drive pins to connect middle frame, conducive to rapid installation and disassembly.

#### Lower frame

Box type structure welded by high-strength steel sheets, track frame uses hydraulic drive pin to connect middle frame, which is conducive to rapid installation and disassembly.

#### Undercarriage counterweight

30 tons, including two counterweights of 10T each and two counterweights of 5T each, installed at the front and the rear of the frame.

#### Track shoes

There are 128 pieces of track shoes on left and right track frame. Width of each track shoe is 1200mm. Tensioning of track shoes can be adjusted by built-in hydraulic tension cylinder, adjusting the position of shim to the ideal tensioning.

Travel speed: 0 - 0.45 / 1.2km / h

#### **Working Device**

Main pipes of boom adopt advanced high-strength pipes. Luffing component uses high-strength pulling plate structure, which significantly improves effective load.

**Heavy-duty boom working conditions** boom length: 24 - 84m

## Heavy-duty mixed boom working conditions

mixed boom length: 42 - 108m

## Tower auxiliary boom working conditions

Boom length: 30 - 72m
Tower boom length: 24 - 72m
Basic combination length:
(boom + tower boom): 30m + 24m
Max. combination length

(boom + tower boom): 72m + 72m

Hook blocks

400T hook block, 200T hook block, 100T hook block, and 50T hook block.

#### Heavy Boom (H)

Max. lifting capacity:  $400T \times 5m$  Max. boom length: 84m

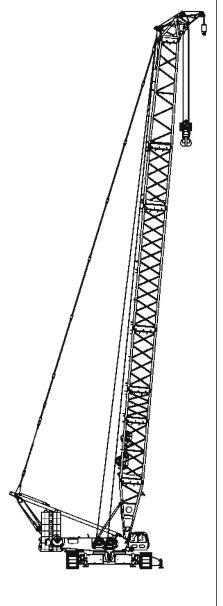
## Heavy-Light Boom Combination

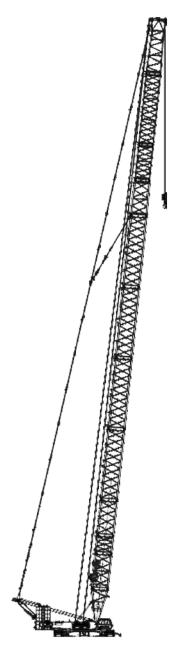
Max. lifting capacity:  $180T \times 10m$  Max. boom length: 108m

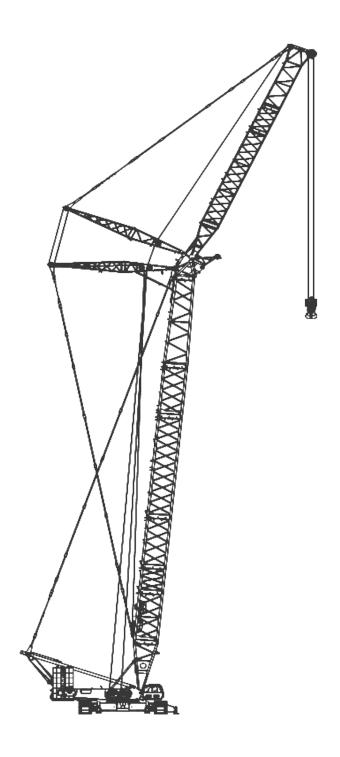
#### Luffing Jib (LJ)

Max. lifting capacity:  $140T \times 14m$ 

Max. Boom + Luffing Jib Length : 72m + 72m







	lte	em	Unit	Data	Remarks
	H Boom	Max. Lifting Capacity	t	400	
	Configuration	Boom Length	m	24 - 84	
	H/L Boom	Max. Lifting Capacity	t	180	
Boom Configuration	Configuration	Boom Length	m	42 - 108	
		Max. Lifting Capacity	t	139.8	
	LJ Configuration	Max. Boom + Luffing Jib Length	m	144	72 + 72
		Boom Angle	o	86 / 76 / 66	
		Traveling Speed	km / h	0 - 0.45 / 1.2	
		Slewing Speed	rpm	0 - 1.1	
Washing Oracad	Ma	in Hoisting Speed (Single Rope)	m / min	135	
Working Speed	Auxili	ary Hoisting Speed (Single Rope)	m / min	135	
	Ma	ain Luffing Speed (Single Rope)	m / min	48 × 2	
	Luffir	ng Jib Luffing Speed (Single Rope)	m / min	126	
		Model: VOLVO TWD1240VE			
Engine		Rated Power / Rated Speed	kW / rpm	310 / 2100	
		Max. Torque / Speed	N.m / rpm	1719 / 1500	
		Overall Weight (Basic Boom)	t	326	
Mass Parameter	Counter w	reight + Lower Carbody Counter weight	t	150 + 30	
	Ground	d Pressure (Standard Basic Boom)	Мра	0.15	
Transportation	Max. T	ransportation Weight of Single Part	t	76.36	
Specification	Max. Transpo	ortation Dimension of Single Part (L $\times$ W $\times$ H)	m	14.46 × 3.16 × 3.25	

#### **Heavy Boom Configuration Load Chart**

#### POWERPLUS PCC4000S-II CRAWLER CRANE LOAD CHART

'H' main Boom Working Condition: (counterweight: 160T, Carbody counterweight: 40T)

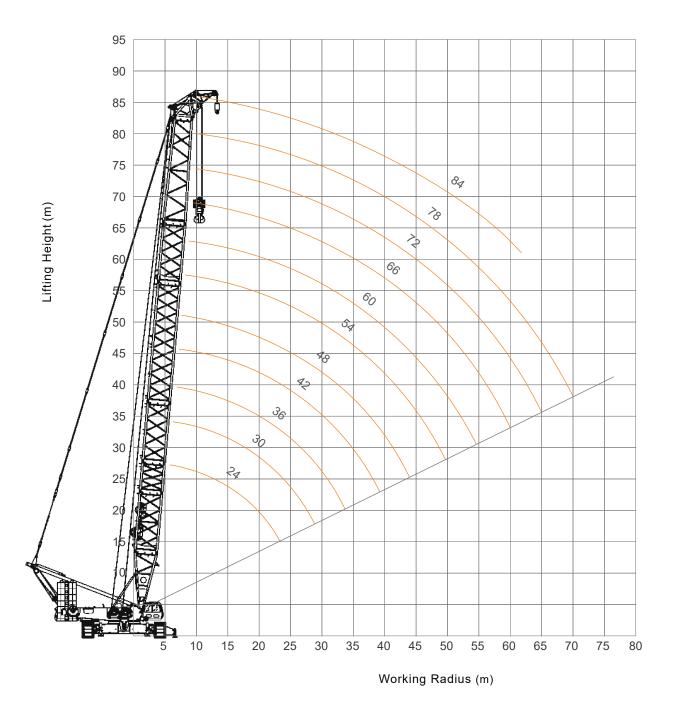
unit: ton

Boom Length Working Radius		30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m
5.0m	400.0										
6.0m	370.0	329.4	6.4m / 326.5	6.9m / 303.7							
7.0m	317.0	295.8	294.2	293.5	7.4m / 272.2	7.9m / 242.8					
8.0m	283.2	251.2	250.8	248.2	246.7	242.8	8.4m / 215.4	9.0m / 190.3			
9.0m	241.0	227.9	225.9	224.8	223.3	222.1	215.1	190.3	9.5m / 167.6		
10.0m	220.0	218.4	215.1	213.4	212.3	210.9	207.7	189.7	165.4	10.0m / 143.7	10.5m / 122.8
12.0m	181.8	180.2	176.0	174.9	172.6	169.8	165.9	160.5	154.1	134.2	116.8
14.0m	141.7	140.8	138.3	137.8	136.1	135.7	134.2	133.1	128.9	124.7	108.4
16.0m	132.6	132.1	131.3	127.3	123.5	120.0	116.3	113.0	109.5	106.3	100.2
18.0m	112.0	111.4	110.8	109.6	106.4	103.5	100.3	97.6	94.6	91.9	88.9
20.0m	96.5	95.8	95.2	94.3	93.1	90.6	87.8	85.4	82.7	80.4	77.8
22.0m	84.4	83.7	83.1	82.2	81.3	80.1	77.7	75.5	73.1	71.1	68.7
24.0m	23.3m / 77.6	74.0	73.4	72.5	71.5	70.8	69.3	67.4	65.2	63.3	61.1
26.0m		66.1	65.5	64.5	63.6	62.9	61.8	60.5	58.5	56.7	54.7
28.0m		59.5	58.9	57.9	56.9	56.2	55.2	54.5	52.7	51.1	49.2
30.0m		28.5m / 57.9	53.3	52.3	51.3	50.6	49.5	48.9	47.8	46.3	44.4
34.0m			33.7m / 44.8	43.3	42.3	41.6	40.5	39.8	38.8	38.1	36.6
38.0m				36.4	35.4	34.7	33.6	32.9	31.8	31.2	30.1
42.0m				38.9m / 35.0	30.0	29.3	28.2	27.5	26.4	25.7	24.6
46.0m					44.1m / 27.5	24.8	23.7	23.0	21.9	21.3	20.1
50.0m						49.3m / 21.7	20.1	19.4	18.3	17.6	16.4
54.0m							17.0	16.3	15.2	14.5	13.4
58.0m							54.5m / 16.6	13.7	12.6	11.9	9.8
62.0m								59.7m / 12.7	10.3	9.6	6.2
66.0m									64.9m / 8.8	7.6	
70.0m										4.6	

#### Note:

- 1. The rated load in the load chart is calculated complying with ASME B30.5;
- 2. The working radius is the horizontal distance from the load center to the swing center;
- 3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
- 4. The load value is calculated when the object is hung freely, without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence of any other negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgment and decreasing the load and lowering speed;
- 5.All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient.

#### **Heavy Boom Configuration Working Range**



#### H / L Boom Configuration Load Chart

#### POWERPLUS PCC4000S-II CRAWLER CRANE LOAD CHART

'H / L' Heavy-Light Boom Working Condition

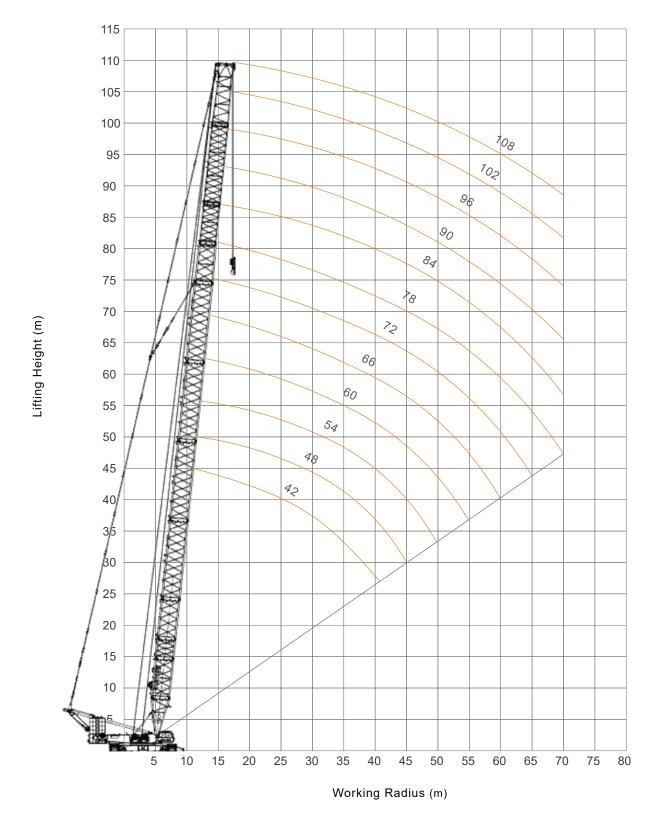
unit: ton

Boom Angle (°) Working Radius	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m	90.0m	96.0m	102.0m	108.0m
7.0m	7.3m / 180.0	7.9m / 180.0	9.5m /									
8.0m	180.0	180.0	8.5m / 180.0									
9.0m	180.0	180.0	180.0	9.2m / 170.6	9.8m / 151.7							
10.0m	180.0	176.0	170.0	160.9	150.9	10.4m / 155.1	11.0m / 119.9	11.7m / 106.3				
12.0m	160.0	152.0	145.0	140.5	133.6	125.0	117.2	105.6	12.3m / 93.9	12.9m / 81.6	13.6m / 70.3	
14.0m	132.2	128.6	121.1	114.5	109.0	104.2	100.1	96.0	90.5	79.7	69.6	14.2m / 58.5
16.0m	118.1	113.5	108.7	103.7	99.7	96.3	93.4	89.9	85.9	76.5	66.8	56.4
18.0m	105.5	104.9	102.9	98.4	95.8	93.8	88.2	85.1	80.5	73.4	64.2	54.2
20.0m	93.8	93.2	92.5	90.7	88.5	86.7	84.4	82.7	75.3	70.6	61.8	52.1
22.0m	82.4	81.7	81.1	80.1	78.6	77.0	74.9	73.4	71.8	68.0	59.5	50.2
24.0m	73.3	72.6	71.2	70.9	70.0	69.1	67.1	65.7	64.4	61.9	57.4	48.5
26.0m	65.8	65.1	64.4	63.4	62.5	62.1	60.5	59.3	58.1	55.8	54.5	46.8
28.0m	59.6	58.8	58.1	57.1	56.2	55.8	54.7	53.9	52.8	50.5	49.4	45.1
30.0m	54.3	53.5	52.8	51.8	20.9	50.5	49.4	49.1	48.2	46.0	44.9	43.6
34.0m	45.9	45.1	44.4	43.3	42.4	41.9	40.8	40.5	40.2	38.6	37.8	36.9
38.0m	39.4	38.6	37.9	36.8	35.8	35.4	34.3	34.0	33.7	32.1	31.8	31.3
42.0m	38.8m/ 38.3	33.5	32.8	31.7	30.7	30.3	29.2	28.8	28.5	26.9	26.6	26.5
46.0m		44.0m / 31.3	28.6	27.5	26.5	26.1	25.0	24.7	24.3	22.7	22.4	22.3
50.0m			49.2m / 25.8	24.1	23.1	22.7	21.5	21.2	20.9	19.2	18.9	18.8
54.0m				21.2	20.2	19.8	18.6	18.3	18.0	16.3	16.0	15.9
58.0m				54.5m / 21.0	17.7	17.3	16.1	15.8	15.5	13.8	13.5	13.4
62.0m					59.6m / 16.9	15.2	14.0	13.7	13.3	11.7	11.0	
66.0m						64.8m / 13.9	12.1	11.8	11.5	9.0		
70.0m							70.0m / 10.5	10.2	9.0	7.4		

#### Note:

- 1. The rated load in the load chart is calculated complying with ASME B30.5;
- 2. The working radius is the horizontal distance from the load center to the swing center;
- 3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
- 4. The load value is calculated when the object is hung freely, without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence of any other negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgment and decreasing the load and lowering speed;
- 5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient.

#### H / L Boom Configuration Working Range



#### **LJ Configuration Load Chart**

#### POWERPLUS PCC4000S-II CRAWLER CRANE LOAD CHART

Main Boom														30.0	m												
Jib		24.0r	n		30.0r	n		36.0n	n		<b>42.0</b> n	n		48.0n	n		54.0n	n		60.0n	n		66.0n	n		72.0r	m
Boom Angle (°) Vorking ladius		76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0
14.0m	139.8																										
16.0m	119.8			117.0																							
18.0m	104.8			102.3			100.0																				
20.0m	92.6			90.9			88.8			87.0																	
22.0m	81.9			81.3			79.8			78.2			76.4														
24.0m	73.2	68.1		72.7			72.1			71.0			69.4			67.9											
26.0m	66.1	61.5		65.6	60.8		65.0			64.6			63.4			62.1			60.5								
28.0m		55.9		59.7	55.3		59.1			58.7			58.1			57.2			55.6			54.5					
30.0m		51.2		54.6	50.6		54.1	49.9		53.7			53.1			52.6			51.4			50.4			44.8		
34.0m			40.4		43.1		46.0	42.4		45.7	41.9		45.0			44.6			43.8			43.4			39.2		
38.0m						34.4		36.7		39.5	36.2		38.9	35.5		38.5	35.0		37.6			37.2			34.3		
42.0m									29.4		31.7		34.0	31.0		33.6	30.5		32.8	29.6		32.4			30.1		
46.0m									25.9		28.0	25.5	30.0	27.3		29.6	26.9		28.8	26.0		28.4	25.5		26.4	24.8	
50.0m												22.6		24.3	21.9	26.4	23.8	21.4	25.6	23.0		25.2	22.5		23.2	21.8	
54.0m															19.5		21.3	19.1	22.8	20.4	18.1	22.4	20.0		20.4	19.3	
58.0m																		17.0		18.3	16.1	20.1	17.8	15.6	17.9	17.1	
62.0m																		15.3		16.4	14.4	18.0	15.9	13.9	15.7	15.3	13.
66.0m																					12.9		14.3	12.4		13.6	
70.0m																								11.1		12.2	
74.0m																											9.2
78.0m																											
82.0m																											

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- 5.All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient.

'LJ' Luffing Jib Working Condition

unit: ton

Main Boom														36.0	m												
Jib		24.0m		;	30.0m	1		36.0m	1		42.0m	1		48.0m	ı		54.0m	1		60.0m	ı		66.0m			72.0m	1
Boom Angle (°) Working Radius		76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0
14.0m																											
16.0m	116.7																										
18.0m	102.2			99.8																							
20.0m	90.8			88.7			86.7																				
22.0m	81.3			79.8			78.0			76.4			74.6														
24.0m	72.7			72.2			70.8			69.3			67.7			66.3											
26.0m	65.6	59.8		65.1			64.5			63.5			62.0			60.7			59.0								
28.0m		54.4		59.3	53.7		58.7			58.3			57.1			55.8			54.3			53.1					
30.0m		49.8		54.3	49.2		53.7			53.3			52.6			51.7			50.2			49.1			45.6		
34.0m			38.4		41.8		45.7	41.1		45.3	40.6		44.7			44.2			43.4			42.6			39.9		
38.0m			33.2		36.2	32.5		35.5		39.2	35.1		38.5	34.3		38.1			37.3			36.9			34.9		
42.0m						28.4		31.1	27.7	34.3	30.7		33.7	29.9		33.3	29.4		32.5	28.5		32.1			30.6		
46.0m									24.4		27.1	23.9	29.8	26.4		29.4	25.9		28.5	25.0		28.1	24.5		26.9		
50.0m												21.2		23.4	20.4	26.1	23.0		25.3	22.1		24.9	21.6		23.6	20.9	
54.0m												18.9			18.2		20.5	17.7	22.6	19.6		22.2	19.1		20.8	18.4	
58.0m															16.3		18.4	15.8		17.5	14.8	19.8	17.0		18.2	16.3	
62.0m																		14.1		15.7	13.2	17.8	15.2	12.7	16.0	14.5	
66.0m																					11.8		13.6	11.3	13.9	12.9	10.6
70.0m																					10.5			10.0		11.6	9.3
74.0m																								8.9		10.3	8.2
78.0m																											7.2
82.0m																											
86.0m																											

- 1. The rated load in the load chart is calculated complying with ASME B30.5;
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- 5.All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient.

'LJ' Luffing Jib Working Condition

unit: ton

Main Boom				3										42.0	m												
Jib	2	4.0m	ı	3	30.0m		;	36.0m			42.0m			48.0m			54.0m			60.0m		(	66.0m		7	72.0m	I
Boom Angle (°) Working Radius		76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0
14.0m																											
16.0m	113.5																										
18.0m	99.5			97.2																							
20.0m	88.6			86.5			84.5																				
22.0m	79.8			77.9			76.1			74.4																	
24.0m	72.1			70.8			69.1			67.7			66.0														
26.0m	65.1	57.8		64.6			63.3			62.0			60.5			59.1											
28.0m		52.6		58.8			58.1			57.1			55.7			54.5			53.0								
30.0m		48.2		53.8	47.5		53.2			52.8			51.6			50.4			49.0			47.9					
34.0m		41.0			40.4		45.3	39.6		44.9			44.2			43.8			42.5			41.5			40.3		
38.0m			31.1		34.9			34.2		38.8	33.7		38.2	33.0		37.7			36.9			36.4			35.4		
42.0m						26.5		29.9		34.0	29.4		33.4	28.7		33.0	28.2		32.1			31.7			31.0		
46.0m						23.4			22.6		26.0		29.5	25.3		29.1	24.8		28.2	23.8		27.8			27.2		
50.0m									20.0		23.1	19.5		22.4		25.8	21.9		25.0	21.0		24.6	20.5		24.0	19.8	
54.0m												17.4		20.0	16.6		19.5		22.3	18.6		21.9	18.1		21.1	17.4	
58.0m															14.8		17.5	14.3	20.0	16.6		19.6	16.1		18.5	15.4	
62.0m															13.3			12.7		14.8	11.8	17.6	14.4		16.2	13.7	
66.0m																		11.4			10.5		12.8	9.9	14.2	12.1	
70.0m																					9.3		11.5	8.8		10.8	8.0
74.0m																								7.7		9.6	7.0
78.0m																											6.1
82.0m																											5.3
86.0m																											

- 1. The rated load in the load chart is calculated complying with ASME B30.5;
- 2. The working radius is the horizontal distance from the load center to the swing center;
- 3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
- 4. The load value is calculated when the object is hung freely, without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence of any other negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgment and decreasing the load and lowering speed;
- 5.All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient.

'LJ' Luffing Jib Working Condition

unit: ton

Main Boom														48.0n	n												
Jib	:	24.0m		:	30.0m		;	36.0m			42.0m			48.0m			54.0m		(	60.0m		(	6.0m		-	72.0m	ı
Boom Angle (°) Working Radius		76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0
14.0m																											
16.0m	110.2																										
18.0m	96.9			94.5																							
20.0m	86.3			84.3			82.2																				
22.0m	77.9			76.0			74.1			72.5																	
24.0m	70.9			69.1			67.4			65.9			64.3														
26.0m	64.5			63.4			61.8			60.4			58.9			57.6											
28.0m		50.7		58.2			57.0			55.7			54.3			53.1			51.5								
30.0m		46.4		53.3			52.7			51.7			50.3			49.2			47.7			46.6					
34.0m		39.5			38.8		44.8	38.0		44.4			43.8			42.7			41.4			40.4			39.2		
38.0m					33.6		38.8	32.8		38.4	32.3		37.8			37.3			36.4			35.5			34.4		
42.0m			25.2					28.7		33.6	28.2		33.0	27.4		32.6	26.9		31.7			31.3			30.5		
46.0m						21.5		25.3			24.8		29.1	24.1		28.7	23.6		27.9	22.6		27.5			26.8		
50.0m									18.3		22.1	17.7		21.3		25.5	20.8		24.7	19.9		24.3	19.4		23.6		
54.0m									16.3			15.7		19.0	14.9		18.5		22.0	17.6		21.6	17.1		20.9	16.4	
58.0m												14.1			13.3		16.6	12.7	19.7	15.7		19.3	15.2		18.7	14.4	
62.0m															11.8		14.9	11.3		14.0	10.3	17.3	13.5		16.5	12.8	
66.0m																		10.0		12.5	9.1		12.0	8.5	14.4	11.3	
70.0m																					8.0		10.7	7.5		10.0	6.7
74.0m																					7.0			6.5		8.9	5.7
78.0m																								5.6			4.9
82.0m																											4.1
86.0m																											

- 1. The rated load in the load chart is calculated complying with ASME B30.5;
- 2. The working radius is the horizontal distance from the load center to the swing center;
- 3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
- 4. The load value is calculated when the object is hung freely, without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence of any other negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgment and decreasing the load and lowering speed;
- 5.All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient.

'LJ' Luffing Jib Working Condition unit: ton

2	24.0m												54.0n	n												
	-4.0111		;	30.0m		:	36.0m		4	12.0m	1	-	48.0m			54.0m			60.0m		•	66.0m			72.0m	1
86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0
107.0																										
94.2			91.8																							
84.0			82.0			79.9																				
75.8			74.0			72.1			70.5																	
69.1			67.3			65.6			64.2			62.5														
63.5			61.8			60.2			58.8			57.3			56.0											
58.2			57.1			55.6			54.3			52.9			51.6			50.1								
	44.6		52.8			51.5			50.3			49.0			47.8			46.4			45.2					
	38.0			37.2		44.4			43.9			42.6			41.6			40.2			39.2			38.0		
				32.2		38.4	31.4		38.0	30.8		37.3			36.7			35.4			34.5			33.4		
		23.1		28.1			27.4		33.3	26.9		32.6	26.1		32.2			31.3			30.6			29.6		
		20.4			19.6		24.2			23.6		28.8	22.9		28.4	22.3		27.5			27.1			26.4		
					17.4			16.5		21.0			20.2		25.2	19.7		24.4	18.8		23.9	18.2		23.3		
								14.7			14.1		18.0		22.5	17.5		21.7	16.6		21.3	16.1		20.6	15.3	
											12.5		16.1	11.7		15.6		19.4	14.7		19.0	14.2		18.4	13.4	
											11.2			10.4		14.0	9.8		13.1		17.1	12.6		16.4	11.8	
														9.2			8.7		11.6	7.7		11.2		14.7	10.4	
																	7.6			6.7		9.9	6.1		9.2	
																										4.5
																				0.0						3.7
																									7.1	3.0
																							0.1			2.3
	94.2 84.0 75.8 69.1 63.5	107.0 94.2 84.0 75.8 69.1 63.5 58.2	107.0 94.2 84.0 75.8 69.1 63.5 58.2 44.6 38.0	94.2 91.8 84.0 82.0 75.8 74.0 69.1 67.3 63.5 61.8 58.2 57.1 44.6 52.8 38.0	107.0 94.2 94.2 91.8 84.0 75.8 74.0 69.1 67.3 63.5 61.8 58.2 57.1 44.6 52.8 38.0 37.2 32.2 23.1	107.0 94.2 91.8 84.0 75.8 74.0 69.1 67.3 63.5 61.8 58.2 57.1 44.6 52.8 38.0 37.2 23.1 20.4 19.6	107.0 94.2 91.8 84.0 82.0 79.9 75.8 74.0 67.3 65.6 63.5 61.8 60.2 57.1 55.6 44.6 52.8 51.5 38.0 37.2 44.4 32.2 38.4 23.1 20.4 19.6	107.0 94.2 91.8 91.8 79.9 75.8 74.0 72.1 65.6 63.5 61.8 60.2 57.1 55.6 44.6 52.8 51.5 38.0 37.2 44.4 23.1 28.1 27.4 20.4 19.6 24.2	107.0 94.2 91.8 91.8 74.0 72.1 69.1 65.6 63.5 61.8 60.2 57.1 55.6 44.6 52.8 51.5 38.0 37.2 44.4 23.1 23.1 28.1 27.4 20.4 19.6 24.2 16.5	107.0 94.2 91.8 91.8 74.0 79.9 70.5 69.1 67.3 65.6 64.2 58.8 58.2 57.1 55.6 54.3 38.0 37.2 44.4 43.9 38.0 23.1 28.1 27.4 33.3 20.4 19.6 24.2 16.5	107.0 94.2 91.8 91.8 74.0 79.9 75.8 74.0 67.3 65.6 64.2 68.8 60.2 58.8 61.8 60.2 58.8 61.8 52.8 57.1 55.6 54.3 74.4 44.4 43.9 32.2 38.4 31.4 38.0 30.8 23.1 28.1 28.1 27.4 33.3 26.9 24.2 23.6 17.4 16.5 21.0	107.0   94.2   91.8   82.0   79.9   72.1   70.5   66.1   64.2   63.5   61.8   60.2   58.8   63.5   44.6   52.8   37.2   44.4   43.9   32.2   38.4   31.4   38.0   30.8   23.1   28.1   27.4   33.3   26.9   24.2   23.6   17.4   16.5   21.0   14.1   12.5	107.0 94.2 91.8 82.0 79.9 72.1 70.5 69.1 67.3 65.6 60.2 58.8 57.3 52.9 44.6 52.8 57.1 55.6 50.3 49.0 38.0 37.2 44.4 43.9 42.6 32.2 38.4 31.4 38.0 30.8 37.3 26.9 32.6 28.8 17.4 16.5 21.0 14.1 12.5	107.0   94.2   91.8   79.9   70.5   7	107.0   94.2   91.8   82.0   79.9   72.1   70.5   62.5   63.5   61.8   60.2   58.8   57.3   52.9   64.4   64.2   62.5   64.2   6	107.0	107.0   91.8   91.8   92.0   79.9   72.1   70.5   62.5   62.5   63.5   61.8   60.2   58.8   57.3   56.0   58.2   44.6   52.8   51.5   50.3   49.0   42.6   41.6   41.6   42.4   43.9   42.6   41.6   41.6   42.4   43.9   42.6   41.6   41.6   42.4   43.9   42.6   41.6   4	107.0	107.0	107.0   94.2   91.8   91.8   79.9   79.9   70.5   7	107.0	107.0   107.	107.0   91.8   9	107.0   108.0   108.0   108.0   108.0   108.0   108.0   108.0   109.		94.2   91.8   91

- 1. The rated load in the load chart is calculated complying with ASME B30.5;
- 2. The working radius is the horizontal distance from the load center to the swing center;
- 3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
- 4. The load value is calculated when the object is hung freely, without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence of any other negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgment and decreasing the load and lowering speed;
- 5.All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient.

'LJ' Luffing Jib Working Condition

unit: ton

Main Boom														60.0r	n							ı					
Jib	:	24.0n	1	;	30.0m	1		36.0m	1		42.0m	1		48.0m	1		54.0m	1		60.0m	ı		66.0m	ı		72.0n	1
Boom Angle (°) Working Radius		76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0
14.0m																											
16.0m																											
18.0m	91.4																										
20.0m	81.6			79.6																							
22.0m	73.7			71.9			70.0																				
24.0m	67.2			65.5			63.8			62.3																	
26.0m	61.8			60.1			58.5			57.2			55.6														
28.0m	57.2			55.6			54.0			52.8			51.3			50.1			48.5								
30.0m				51.6			50.2			49.0			47.6			46.4			45.0			43.8					
34.0m		36.1			35.3		43.8			42.7			41.5			40.4			39.0			38.0			36.8		
38.0m		31.3			30.5		37.9	29.7		37.5			36.6			35.7			34.4			33.4			32.3		
42.0m					26.7			25.9		32.8	25.3		32.2			31.7			30.6			29.7			28.6		
46.0m			18.2					22.8			22.3		28.4	21.5		28.0	20.9		27.1			26.6			25.6		
50.0m						15.3					19.7			19.0		24.8	18.4		24.0	17.5		23.6			22.9		
54.0m						13.6			12.7		17.6			16.8		22.2	16.3		21.4	15.4		20.9	14.8		20.3	14.1	
58.0m									11.3			10.7		15.0			14.5		19.1	13.6		18.7	13.1		18.0	12.3	
62.0m												9.5			8.7		13.0			12.0		16.8	11.5		16.1	10.8	
66.0m															7.6			7.0		10.7			10.2		14.4	9.4	
70.0m																		6.1		9.5	5.1		9.0		12.9	8.3	
74.0m																		5.3			4.3		7.9	3.8		7.2	3.0
78.0m																					3.6			3.1		6.3	2.3
82.0m																								2.4			1.7
86.0m																											1.1
90.0m																											0.6

- 1. The rated load in the load chart is calculated complying with ASME B30.5;
- 2. The working radius is the horizontal distance from the load center to the swing center;
- 3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
- 4. The load value is calculated when the object is hung freely, without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence of any other negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgment and decreasing the load and lowering speed;
- $5. All \ ratings \ are \ calculated \ when \ the \ machine \ is \ parking \ on \ firm \ and \ level \ ground \ with \ less \ than \ 1\% \ gradient.$

Main Boom														66.0r	n												
Jib		24.0n	n		30.0n	ı		36.0m	1		42.0m	1		48.0m	1		54.0m	1		60.0n	1		66.0m	1		72.0n	1
Boom Angle (°) Vorking Radius	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0	86.0	76.0	66.0
14.0m																											
16.0m																											
18.0m	88.6																										
20.0m	79.3			77.2																							
22.0m	71.7			69.8			68.0																				
24.0m	65.4			63.7			61.9			60.5																	
26.0m	60.1			58.5			56.9			55.5			54.0														
28.0m	55.6			54.1			52.5			51.3			49.8			48.6											
30.0m				50.2			48.8			47.6			46.2			45.0			43.5								
34.0m		34.4		43.9			42.6			41.5			40.3			39.2			37.8			36.8			35.6		
38.0m		29.7			28.9		37.4	28.1		36.8			35.6			34.6			33.3			32.3			31.2		
42.0m					25.3			24.5		32.4	23.9		31.7			30.9			29.6			28.7			27.7		
46.0m								21.5			20.9		28.0	20.1		27.6			26.6			25.8			24.7		
50.0m			14.2			13.4		19.1			18.5		24.9	17.7		24.5	17.2		23.6	16.2		23.2			22.3		
54.0m						11.8			10.9		16.5			15.7		21.9	15.2		21.0	14.2		20.6	13.7		19.9		
58.0m									9.6			9.0		14.0			13.5		18.8	12.5		18.4	12.0		17.7	11.2	
62.0m									8.5			7.9			7.1		12.0			11.0		16.5	10.5		15.8	9.8	
66.0m												6.9			6.1		10.7	5.5		9.8			9.2		14.1	8.5	
70.0m															5.3			4.7		8.6	3.7		8.1		12.7	7.4	
74.0m																		4.0			3.0		7.1	2.4		6.4	
78.0m																					2.3			1.8		5.5	1.0
82.0m																					1.7			1.2		4.7	0.4
86.0m																								0.7			5.7

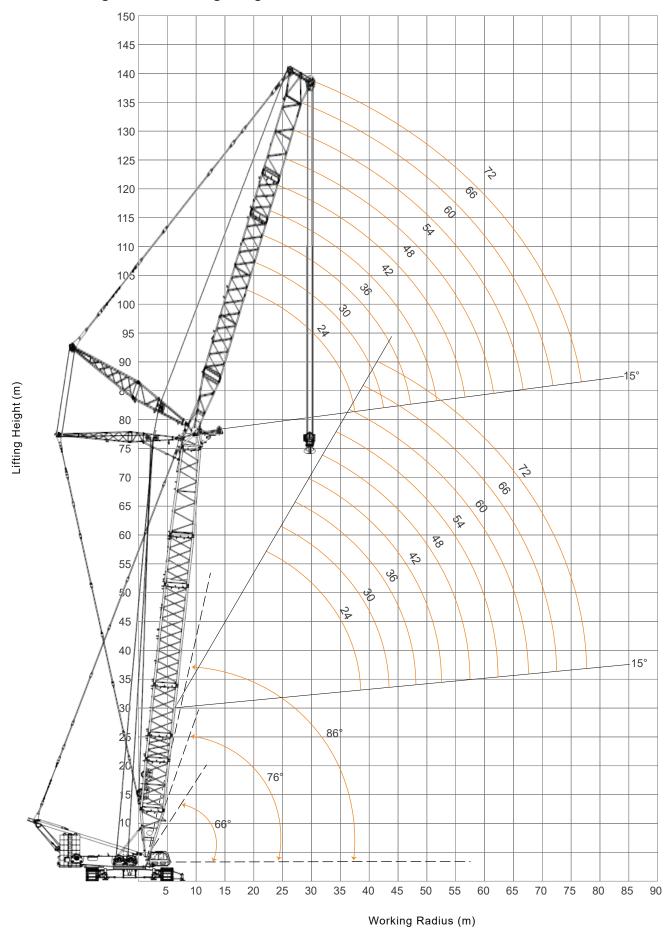
- 1. The rated load in the load chart is calculated complying with ASME B30.5;
- 2. The working radius is the horizontal distance from the load center to the swing center;
- 3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
- 4. The load value is calculated when the object is hung freely, without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence of any other negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgment and decreasing the load and lowering speed;
- 5.All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient.

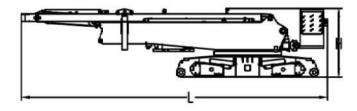
'LJ' Luffing Jib Working Condition unit: ton

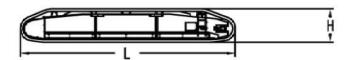
|      | 72.0m                                |   |  |  |   |  
   
   
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---|---|---|
|      | 24.0n                                | n   |  | <b>30.0</b> n  | n   |  
   
   
  | 36.0n   | n  |  | <b>42.0</b> n  
   
   
  | n  
   
   
  |  
   
  | 48.0n  | n   
  |   | 54.0n   | 1   |   | 60.0n   | n                          
  |   | 66.0n   | 1   |  
  | <b>72.0</b> n   | n   |
| 86.0 | 76.0                                 | 66.0  | 86.0   | 76.0   | 66.0  | 86.0   
   
   
  | 76.0  | 66.0   | 86.0   | 76.0   
   
   
  | 66.0   
   
   
  | 86.0   
   
  | 76.0   | 66.0  
  | 86.0  | 76.0  | 66.0  | 86.0  | 76.0  | 66.0                       
  | 86.0  | 76.0  | 66.0  | 86.0   
  | 76.0  | 66.0  |
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| 85.7 |                                      |   |  |  |   |  
   
   
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| 76.8 |                                      |   | 74.7   |  |   |  
   
   
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| 69.5 |                                      |   | 67.6   |  |   | 65.8   
   
   
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| 63.4 |                                      |   | 61.7   |  |   | 60.0   
   
   
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| 58.4 |                                      |   | 56.7   |  |   | 55.1   
   
   
  |   |  | 53.7   |  
   
   
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  | 52.2   
   
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| 54.0 |                                      |   | 52.5   |  |   | 50.9   
   
   
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  | 48.2   
   
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  | 46.9  |   |   |   |   |                            
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|      |                                      |   | 48.8   |  |   | 47.3   
   
   
  |   |  | 46.1   |  
   
   
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  | 44.7   
   
  |  |   
  | 43.5  |   |   | 42.0  |   |                            
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|      | 32.3                                 |   | 42.8   |  |   | 41.4   
   
   
  |   |  | 40.3   |  
   
   
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  | 39.0   
   
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  | 37.9  |   |   | 36.5  |   |                            
  | 35.5  |   |   | 34.3   
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|      | 27.9                                 |   |  | 27.1   |   | 36.8   
   
   
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  | 34.5   
   
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  | 33.5  |   |   | 32.2  |   |                            
  | 31.2  |   |   | 30.1   
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|      | 24.4                                 |   |  | 23.6   |   |  
   
   
  | 22.7  |  | 31.9   |  
   
   
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  | 30.8   
   
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  | 29.9  |   |   | 28.6  |   |                            
  | 27.7  |   |   | 26.6   
  |   |   |
|      |                                      |   |  | 20.8   |   |  
   
   
  | 20.0  |  |  | 19.4   
   
   
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  | 27.5   
   
  | 18.6   |   
  | 26.9  |   |   | 25.7  |   |                            
  | 24.9  |   |   | 23.8   
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|      |                                      | 12.0  |  |  |   |  
   
   
  | 17.7  |  |  | 17.1   
   
   
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  | 24.5   
   
  | 16.3   |   
  | 24.0  | 15.7  |   | 23.2  |   |                            
  | 22.4  |   |   | 21.4   
  |   |   |
|      |                                      | 10.5  |  |  | 9.7   |  
   
   
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  | 14.4   |   
  | 21.5  | 13.8  |   | 20.6  | 12.9  |                            
  | 20.2  | 12.3  |   | 19.4   
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  | 12.8   |   
  |   | 12.2  |   | 18.4  | 11.3  |                            
  | 18.0  | 10.7  |   | 17.3   
  | 9.9   |   |
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  | 11.3   |   
  |   | 10.8  |   |   | 9.9   |                            
  | 16.1  | 9.3   |   | 15.5   
  | 8.6   |   |
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  |  | 4.3   
  |   | 9.6   |   |   | 8.7   |                            
  | 14.5  | 8.1   |   | 13.8   
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|      | 85.7<br>76.8<br>69.5<br>63.4<br>58.4 | 86.0 76.0<br>85.7<br>76.8<br>69.5<br>63.4<br>58.4<br>54.0<br>32.3<br>27.9 | 86.0 76.0 66.0<br>85.7<br>76.8<br>69.5<br>63.4<br>54.0<br>32.3<br>27.9<br>24.4 | 86.0 76.0 66.0 86.0<br>85.7 76.8 74.7 69.5 67.6 61.7 56.7 52.5 48.8 27.9 24.4 12.0 | 86.0     76.0     66.0     86.0     76.0       85.7     74.7       76.8     74.7       69.5     67.6       63.4     61.7       58.4     56.7       54.0     52.5       48.8       27.9     27.1       24.4     23.6       12.0     20.8 | 86.0     76.0     66.0     86.0     76.0     66.0       85.7     74.7     69.5     67.6     63.4     61.7     63.4     56.7     54.0     52.5     64.8 <t< td=""><td>86.0       76.0       66.0       86.0       76.0       66.0       86.0         85.7  </td><td>86.0       76.0       66.0       86.0       76.0       66.0       86.0       76.0         85.7   </td><td>86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0           85.7   </td><td>86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         <th< td=""><td>86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         <th< td=""><td>86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         <th< td=""><td>24.0w         30.0w         36.0w         42.0w         42.0w         86.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0</td><td>24.0m         30.0m         36.0m         42.0m         48.0m         48.0m           86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0</td><td>  No.   No.</td><td>  No.   No.</td><td>24.0m         30.0m         36.0m         42.0m         48.0m         54.0m         54.0m           86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  Part   Part  </td></th<></td></th<></td></th<></td></t<> | 86.0       76.0       66.0       86.0       76.0       66.0       86.0         85.7 | 86.0       76.0       66.0       86.0       76.0       66.0       86.0       76.0         85.7 | 86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0           85.7 | 86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0 <th< td=""><td>86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         <th< td=""><td>86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         <th< td=""><td>24.0w         30.0w         36.0w         42.0w         42.0w         86.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0</td><td>24.0m         30.0m         36.0m         42.0m         48.0m         48.0m           86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0</td><td>  No.   No.</td><td>  No.   No.</td><td>24.0m         30.0m         36.0m         42.0m         48.0m         54.0m         54.0m           86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  Part   Part  </td></th<></td></th<></td></th<> | 86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0 <th< td=""><td>86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         <th< td=""><td>24.0w         30.0w         36.0w         42.0w         42.0w         86.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0</td><td>24.0m         30.0m         36.0m         42.0m         48.0m         48.0m           86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0</td><td>  No.   No.</td><td>  No.   No.</td><td>24.0m         30.0m         36.0m         42.0m         48.0m         54.0m         54.0m           86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  Part   Part  </td></th<></td></th<> | 86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0 <th< td=""><td>24.0w         30.0w         36.0w         42.0w         42.0w         86.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0</td><td>24.0m         30.0m         36.0m         42.0m         48.0m         48.0m           86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0</td><td>  No.   No.</td><td>  No.   No.</td><td>24.0m         30.0m         36.0m         42.0m         48.0m         54.0m         54.0m           86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  No.   No.</td><td>  Part   Part  </td></th<> | 24.0w         30.0w         36.0w         42.0w         42.0w         86.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0 | 24.0m         30.0m         36.0m         42.0m         48.0m         48.0m           86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0 | No.   No. | No.   No. | 24.0m         30.0m         36.0m         42.0m         48.0m         54.0m         54.0m           86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0         66.0         86.0         76.0 | No.   No. | No.   No. | No.   No. | No.   No. | No.   No. | No.   No. | No.   No. | No.   No. | Part   Part |

- 1. The rated load in the load chart is calculated complying with ASME B30.5;
- 2. The working radius is the horizontal distance from the load center to the swing center;
- 3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
- 4. The load value is calculated when the object is hung freely, without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence of any other negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgment and decreasing the load and lowering speed;
- 5.All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient.

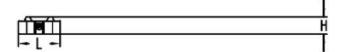
#### **LJ Boom Configuration Working Range**

















#### **Basic Machine**

With mast, 2 main winchs and main derricking. Not with track, boom foot insert, basic counterweight and ground pressure.

Length	14.455m
Width	3.160m
Height	3.250m
Weight	76360Kg

Crawler	
Length	10.145m
Width	1.200m
Height	1.600m
Weiaht	33200Ka

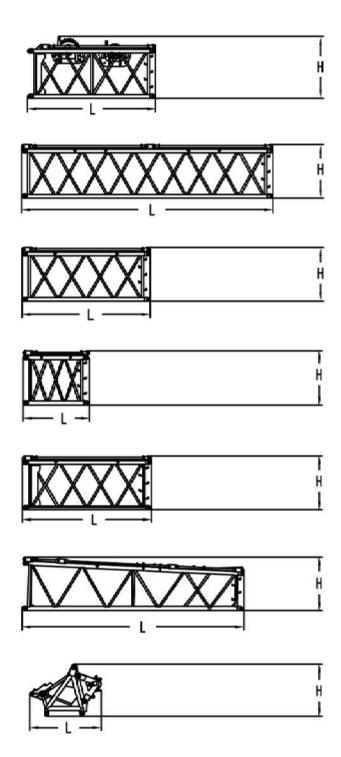
Counterweight Dolly	
Length	2.230m
Width	2.600m
Height	1.622m
Weight	5000Kg

Counterweight	
Length	2.350m
Width	1.840m
Height	0.425m
Weight	10000Kg

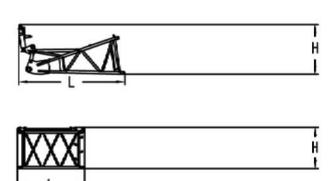
Counterweight	
Length	2.350m
Width	1.840m
Height	0.150m
Weight	4200Kg

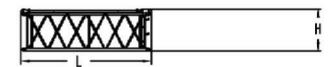
Counterweight	
Length	7.000m
Width	2.450m
Height	0.785m
Weight	9200Kg

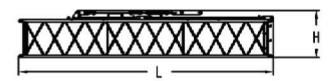
Boom foot insert	
Length	6.385m
Width	2.600m
Height	2.875m
Weight	3430Kg

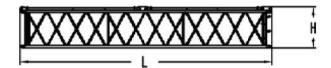


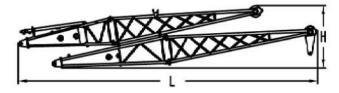
Hoisting install insert	
Length	6.215m
Width	2.600m
Height	3.030m
Weight	9930Kg
12m Boom insert	
Length	12.235m
Width	2.600m
Height	2.620m
Weight	5385Kg
6m Boom insert	
Length	6.235m
Width	2.600m
Height	2.620m
Weight	2885Kg
3m Boom insert	
Length	3,230m
Width	2.600m
Height	2.620m
Weight	1820Kg
Pull-plate fixed insert	
Length	6.235m
Width	2.600m
Height	2.620m
Weight	3074Kg
December of the control of the contr	
Boom transition insert Length	10.765m
Width	2.600m
Height	2.585m
Weight	5240Kg
Boom top insert & pulley brack	ret .
Length	3.470m
Width	2.290m
Height	2.530m
Weight	5850Kg
Daniel band	
Boom head Length	2.605m
=	1.515m
VVIOTO	1.01011
Width Heiaht	1.810m
Height Weight	1.810m 573Kg

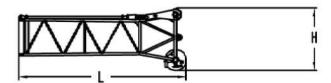














Tower boom foot insert	
Length	5.135m
Width	2.160m
Height	2.395m
Weight	2140Ka

3m Tower boom insert	
Length	3.235m
Width	2.120m
Height	1.995m
Weight	765Kg

6m Tower boom insert	
Length	6.235m
Width	2.120m
Height	1.995m
Weight	1345Kg

12m Tower boom insert	
Length	12.180m
Width	2.120m
Height	1.995m
Weight	3800Ka

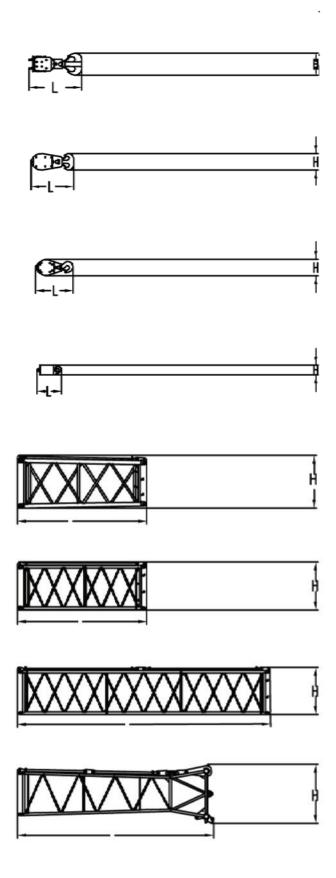
12m Standard tower boom insert	
Length	12.235m
Width	2.120m
Height	1.995m
Weight	2500Ka

Tower boom strut combination(front and rear		
Length	14.540m	
Width	2.500m	
Height	3.040m	
Weight	8090Kg	

Tower boom top insert	
Length	8.140m
Width	2.120m
Height	3.045m
Weight	3770Kg

400t Hook block - 12 pulleys		
Length	3.055m	
Width	0.930m	
Height	1.505m	
Weight	7055Kg	

2



200t Hook block - 6 pulley	'S
Length	2.600m
Width	1.148m
Height	1.100m
Weight	5017Kg
100t Hook block - 4 pulley	<b>'</b> S
Length	2.100m
Width	0.840m
Height	0.805m
Weight	3620Kg
50t Hook block - 2 pulleys	
Length	1.860m
Width	0.520m
Height	0.800m
Weight	1687Kg
15t Hook block	
Length	1,211m
Width	0.480m
Height	0.480m
Weight	775Kg
Light boom transition inse	rt
Length	6.230m
Width	2.600m
Height	2.570m
Weight	2580Kg
6m Light boom insert	
Length	6.235m
Width	2.420m
Height	2.335m
Weight	1530Kg
12m Light boom insert	
Length	12.230m
Width	2.420m
Height	2.300m
Weight	2650Kg
Light boom top insert	
Length	9.480m
Width	2.420m
Height	2.870m
Weight	2670Kg

#### **GLOBAL NETWORK DISTRIBUTION**

POWERPLUS is committed to creating long-term value for its customers, partners and stakeholders. Our Service Centers are strategically located in major construction, industrial and manufacturing hubs in key regions around the world.

Given our years of experience in the industry, it is no doubt that our customers can always rely on us for the expertise, services and solutions we provide. Most importantly, you will find our after-sales service a satisfying experience at all our Service Centers worldwide.

#### **DURABILITY, RELIABILITY & AFFORDABILITY**

POWERPLUS Parts and Service Centers provides a convenient channel for you to order the original spare parts through a network of highly certified OEM manufacturers and an effective distribution of spare parts through our global network of vendors.

From determining the correct part number to locating and ordering, we are committed to working round-the-clock for timely solutions and delivery to ensure we serve our customers promptly and efficiently.

Coupled with affordable parts prices and high interchangeability across the POWERPLUS machinery range, we take pride in being able to offer value to our customers with cost-effective solutions. Most importantly, you are able to retain the machines with high residual value to enhance your return on investment.









#### **SERVICE**

Delivering Unsurpassed Customer Service - Because You Matter.

Our dedicated team of customer service executives, skilled engineers and technicians are well-trained to ensure timely and propitious support throughout the customer life cycle. With a comprehensive dealer network coverage and service facilities support, POWERPLUS dedicated team of account managers and service teams from the Customer Service Charter are trained to respond to your queries and requests promptly and efficiently.

To deliver more, our service package includes educating our customers with training, maintenance and servicing to ensure customers are empowered to utilize the machines at its best; therefore optimizing the machine's performance and increasing uptime.

At POWERPLUS, we strive to build and maintain long-term relationships with each and every client based on trust, integrity and professionalism.









### www.powerplus.us

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